



Botany Groundwater Cleanup Project

Progress Update Presentation to the CLC

Steve Corish
16 June 2009

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- Current Activities

Groundwater Treatment Plant (GTP) Operation



- Regularly treating more than 5 ML/day on average
- Progress on Biological Aerated Filters (BAFs)
 - Increasing run times and treatment capacity
 - Lowering need to apply chloramine
- Environment Protection Licence changes including Pollution Reduction Program for the temperature of excess treated water discharged to Bunnerong Canal – first report due 1 September 2009
- Preparing a Network Operator & Retail Supplier licence application to IPART – required under the *Water Industry Competition Act 2006*

Hydraulic Containment - January to March 2009

- Secondary Containment Area (SCA)
 - Containment achieved
- Primary Containment Area (PCA)
 - Containment achieved in deep aquifer, where majority of contaminant mass is found
 - Details on effectiveness of shallow groundwater containment to be reported in August
- BIP Containment Line
 - Partial containment achieved – sufficient for intercepting contaminated groundwater from a major source area on BIP and protecting Springvale Drain

Chemical Monitoring

- Results largely consistent with previous monitoring rounds
- Large changes not expected in short term
- High concentrations of some contaminants recorded
 - Rail corridor
 - Foreshore dunes
 - Mouth of Springvale Drain
 - Consistent with historic fluctuations
- Conclusions of CHHRA do not change

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Update on GTP & Hydraulic Containment

 **Current Activities**

Current Activities

- Groundwater Injection & Recovery
 - Dept Environment and Climate Change approval to conduct trial
 - Injection & monitoring wells drilling scheduled for mid July
- Infilling of Springvale Drain realignment channel
 - To minimise CHC vapour emissions from shallow groundwater discharge
 - Aim to conduct works in third quarter 2009
- Maximising hydraulic extraction investigations
 - Subsidence work almost complete
 - Groundwater model recalibration underway
- Preparation of Voluntary Management Proposal (VMP)

16 June 2009
CLC quarterly meeting



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